

Amendments to the Claims

The listing of claims replaces without prejudice all prior versions, and listings of claims in the present application.

1. [Presently amended] An electronic data transmission server comprising:

a data receiver for receiving a request for transmission of an incoming message including an attachment document to a network terminal over a communications network, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data including graphics data;

a data processing system in communication with the data receiver for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the data processing system configured to perform the conversion by reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data including reduced graphics data including at least one of reduced content and reduced presentation data; and

a data transmitter in communication with the data processing system for transmitting an outgoing message containing the converted data to the network terminal over the communications network.

2. [Presently amended] ~~The electronic data transmission server according to claim 1 further comprising the content including at least one word having an associated phrase tag associated with the data filtration parameter, the data processing system configured to replace each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the content included as the reduced content in the converted data in view of the specified data resolution level.~~ An electronic data transmission server comprising:

a data receiver for receiving a request for transmission of an incoming message including an attachment document to a network terminal over a

communications network, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data content including at least one word having an associated phrase tag;

a data processing system in communication with the data receiver for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the data processing system configured to perform the conversion by replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data as reduced content; and

a data transmitter in communication with the data processing system for transmitting an outgoing message containing the converted data to the network terminal over the communications network.

3. ~~[Presently amended] The electronic data transmission server according to claim 1 further comprising the content including at least one word having an associated abbreviation associated with the data filtration parameter, the data processing system configured to replace each said word with the associated abbreviation for reducing the number of bytes occupied by the content included as the reduced content in the converted data in view of the specified data resolution level. An electronic data transmission server comprising:~~

a data receiver for receiving a request for transmission of an incoming message including an attachment document to a network terminal over a communications network, the attachment document having attachment data including graphics data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data content including at least one word having an associated abbreviation;

a data processing system in communication with the data receiver for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data

resolution capabilities of the network terminal, the data processing system configured to perform the conversion by replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data as reduced content; and

a data transmitter in communication with the data processing system for transmitting an outgoing message containing the converted data to the network terminal over the communications network.

4. [Presently presented] The electronic data transmission server according to claim 1, wherein the presentation data includes at least one of text font data and text attribute data associated with the data filtration parameter, the data processing system configured to perform the conversion by reducing the number of bytes occupied by the at least one of the text font data and the text attribute data to provide the reduced presentation data included as the reduced presentation data in the converted data in view of the specified data resolution level.

5. ~~[Presently amended] The electronic data transmission server according to claim 1, wherein the presentation data includes text formatting data associated with the data filtration parameter, the data processing system configured to replace the text formatting data with predefined format tags to reduce a byte length of the presentation data included as the reduced presentation data in the converted data in view of the specified data resolution level. An electronic data transmission server comprising:~~

a data receiver for receiving a request for transmission of an incoming message including an attachment document to a network terminal over a communications network, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data presentation data includes text formatting data;

a data processing system in communication with the data receiver for converting the attachment data in accordance with the at least one data filtration

parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the data processing system configured to perform the conversion by replacing the text formatting data with predefined format tags for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data including reduced presentation data; and

a data transmitter in communication with the data processing system for transmitting an outgoing message containing the converted data to the network terminal over the communications network.

6. [Cancelled]

7. [Cancelled]

8. [Cancelled]

9. [Cancelled]

10. [Presently Amended] A method of electronic data transmission comprising the steps of:

receiving a request for transmission of an incoming message including an attachment document over a communications network to a network terminal, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data including graphics data;

converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the converting step including reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data including reduced graphics data including at least one of reduced content and reduced presentation data; and transmitting an outgoing message containing the converted data to the network terminal over the communications network.

11. ~~[Presently Amended] The method according to claim 10 further comprising the step of converting the content including at least one word having an associated phrase tag associated with the data filtration parameter, the converting step comprising replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the content included as the reduced content in the converted data in view of the specified data resolution level. A method of electronic data transmission comprising the steps of:~~

receiving a request for transmission of an incoming message including an attachment document over a communications network to a network terminal, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data content including at least one word having an associated phrase tag;

converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the converting step including replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data as reduced content; and

transmitting an outgoing message containing the converted data to the network terminal over the communications network.

12. ~~[Presently amended] The method according to claim 10 further comprising the step of converting the content including at least one word having an associated abbreviation associated with the data filtration parameter, the converting step comprising replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the content included as the reduced content in the converted data in view of the specified data resolution level. A method of electronic data transmission comprising the steps of:~~

receiving a request for transmission of an incoming message including an attachment document over a communications network to a network terminal, the attachment document having attachment data including content for presentation on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data including at least one word having an associated abbreviation;

converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the converting step including replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data as reduced content; and

transmitting an outgoing message containing the converted data to the network terminal over the communications network.

13. [Presently presented] The method according to claim 10, wherein the presentation data includes at least one of text font data and text attribute data associated with the data filtration parameter, the converting step comprising reducing the number of bytes occupied by the at least one font text data and text attribute data to provide the reduced presentation data included in the converted data in view of the specified data resolution level.

14. ~~[Presently amended] The method according to claim 10 further comprising the step of converting the presentation data including text formatting data associated with the data filtration parameter, the converting step comprising replacing the formatting data with predefined format tags to reduce a byte length of the presentation data included as the reduced presentation data in the converted data in view of the specified data resolution level. A method of electronic data transmission comprising the steps of:~~

receiving a request for transmission of an incoming message including an attachment document over a communications network to a network terminal, the attachment document having attachment data including content for presentation

on the network terminal and presentation data defining the presentation of the content on the network terminal, the attachment data presentation data including text formatting data:

converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network terminal, the converting step including replacing the formatting data with predefined format tags for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide converted data as reduced presentation data; and

transmitting an outgoing message containing the converted data to the network terminal over the communications network.

15. [Cancelled]

16. [Cancelled]

17. [Cancelled]

18. [Cancelled]

19. [Presently Amended] An electronic data transmission server for directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data including graphics data, the data transmission server comprising:

a data processing system configured for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network resource by reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide a converted document including reduced graphics data including at least one of reduced content and reduced presentation data;

a data receiver in communication with the data processing system for receiving a request for transmission of at least the content of the attachment document to the network resource; and

a data transmitter in communication with the data processing system for transmitting to the network resource over a communications network the converted document, the data transmitter being further configured for initiating transmission of the converted document to the network resource in accordance with the network resource transmission request and an access level defined for the network resource.

20. ~~[Presently Amended] The data transmission server according to claim 19 further comprising the content including at least one word having an associated phrase tag associated with the data filtration parameter, the data processing system configured to replace each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the content included as the reduced content in the converted document in view of the specified data resolution level. An electronic data transmission server for directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data content including at least one word having an associated phrase tag, the data transmission server comprising:~~

a data processing system configured for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network resource by replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide a converted document including reduced content;

a data receiver in communication with the data processing system for receiving a request for transmission of at least the content of the attachment document to the network resource; and

a data transmitter in communication with the data processing system for transmitting to the network resource over a communications network the converted document, the data transmitter being further configured for initiating transmission of the converted document to the network resource in accordance with the network resource transmission request and an access level defined for the network resource.

21. [Presently amended] ~~The data transmission server according to claim 19 further comprising the content including at least one word having an associated abbreviation associated with the data filtration parameter, the data processing system configured to replace each said at least one word with the associated abbreviation for reducing the number of bytes occupied by the content as the reduced content included in the converted document in view of the specified data resolution level.~~ An electronic data transmission server for directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data content including at least one word having an associated abbreviation, the data transmission server comprising:

a data processing system configured for converting the attachment data in accordance with the at least one data filtration parameter representing a specified data resolution level to accommodate data resolution capabilities of the network resource by replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the attachment data according to the specified data resolution level in order to provide a converted document including reduced content;

a data receiver in communication with the data processing system for receiving a request for transmission of at least the content of the attachment document to the network resource; and

a data transmitter in communication with the data processing system for transmitting to the network resource over a communications network the converted document, the data transmitter being further configured for initiating

transmission of the converted document to the network resource in accordance with the network resource transmission request and an access level defined for the network resource.

22. ~~[Presently amended] The data transmission server according to claim 10,~~
~~wherein the presentation data comprises text formatting data associated with the~~
~~data filtration parameter, the data processing system configured to replace the~~
~~formatting data with predefined format tags to reduce a byte length of the~~
~~presentation data included as the reduced presentation data in the converted~~
~~document in view of the specified data resolution level. An electronic data~~
transmission server for directing an attachment document to a network resource,
the attachment document having attachment data including content for
presentation on the network resource and presentation data defining the
presentation of the content on the network resource, the attachment data
presentation data including text formatting data, the data transmission server
comprising:

a data processing system configured for converting the attachment data in
accordance with the at least one data filtration parameter representing a
specified data resolution level to accommodate data resolution capabilities of the
network resource by replacing the text formatting data with predefined format
tags for reducing the number of bytes occupied by the attachment data according
to the specified data resolution level in order to provide a converted document
including reduced presentation data;

a data receiver in communication with the data processing system for
receiving a request for transmission of at least the content of the attachment
document to the network resource; and

a data transmitter in communication with the data processing system for
transmitting to the network resource over a communications network the
converted document, the data transmitter being further configured for initiating
transmission of the converted document to the network resource in accordance
with the network resource transmission request and an access level defined for
the network resource.

23. [Presently Amended] A method of directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data including graphics data, the method comprising the steps of:

converting the attachment data to accommodate data resolution capabilities of the network resource by reducing the number of bytes occupied by the attachment data according to a specified data resolution level of the network resource in order to provide a converted document including reduced graphics data including at least one of reduced content and reduced presentation data;

receiving a request for transmission of at least the content of the attachment document to the network resource; and

initiating transmission of the converted document to the network resource in accordance with an access level defined for the network resource.

24. [Presently Amended] ~~The method according to claim 23 further comprising the step of converting the content including at least one word having an associated phrase tag, the converting step comprising replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the content included as the reduced content in view of the specified data resolution level.~~ A method of directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data including at least one word having an associated phrase tag, the method comprising the steps of:

converting the attachment data to accommodate data resolution capabilities of the network resource by replacing each said at least one word with the associated phrase tag for reducing the number of bytes occupied by the attachment data according to a specified data resolution level of the network resource in order to provide a converted document including reduced content;

receiving a request for transmission of at least the content of the attachment document to the network resource; and
Initiating transmission of the converted document to the network resource in accordance with an access level defined for the network resource.

25. ~~[Presently Amended] The method according to claim 23 further comprising the step of converting the content including at least one word having an associated abbreviation, the converting step comprises replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the content included as the reduced content in view of the specified data resolution level.~~ A method of directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation data defining the presentation of the content on the network resource, the attachment data including at least one word having an associated abbreviation, the method comprising the steps of:

converting the attachment data to accommodate data resolution capabilities of the network resource by replacing each said word with the associated abbreviation for reducing the number of bytes occupied by the attachment data according to a specified data resolution level of the network resource in order to provide a converted document including reduced content;

receiving a request for transmission of at least the content of the attachment document to the network resource; and
Initiating transmission of the converted document to the network resource in accordance with an access level defined for the network resource.

26. ~~[Presently Amended] The method according to claim 23, wherein the presentation data includes text formatting data, and the converting step comprises replacing the formatting data with predefined format tags to reduce a byte length of the presentation data included as the reduced presentation data in view of the specified data resolution level.~~ A method of directing an attachment document to a network resource, the attachment document having attachment data including content for presentation on the network resource and presentation

data defining the presentation of the content on the network resource, the attachment data including text formatting data, the method comprising the steps of: converting the attachment data to accommodate data resolution capabilities of the network resource by replacing the formatting data with predefined format tags for reducing the number of bytes occupied by the presentation data according to a specified data resolution level of the network resource in order to provide a converted document including reduced presentation data;

receiving a request for transmission of at least the content of the attachment document to the network resource; and

initiating transmission of the converted document to the network resource in accordance with an access level defined for the network resource.

27. [Presently presented] The method according to claim 23, wherein the network resource has a network address, the network resource transmission request includes an indication of the network address, the network address indication comprising a pseudo-name associated with the network resource but distinct from the network address, and the network resource transmitting step comprises querying a resource registry with the pseudo-name for the access level.

28. [Presently presented] The electronic data transmission server according to claim 1 further comprising the attachment data including raster image data, the data processing system configured to convert the raster image data to text for reducing the number of bytes occupied by the content and presentation data in the converted data in view of the specified data resolution level.

29. [Presently presented] The method according to claim 10 further comprising the step of converting the attachment document including raster image data, the converting step comprises converting the raster image data to text for reducing the number of bytes occupied by the content and presentation data in the converted data in view of the specified data resolution level.

30. [Presently Presented] The electronic data transmission server according to claim 19, wherein the network resource has a network address, the network resource transmission request includes an indication of the network address, the network address indication comprising a pseudo-name associated with the network resource but distinct from the network address, and the data processing system is configured to determine the access level by querying a resource registry with the pseudo-name.

31. [Presently Presented] The method according to claim 23, wherein the presentation data includes at least one of text font data and text attribute data, the converting step comprises reducing the number of bytes occupied by the at least one font text data and text attribute data in view of the specified data resolution level.

32. [Presently Amended] The method of claim 23 further comprising the step of converting the attachment document including raster image data, the converting step comprises converting the raster image data to text for reducing the number of bytes occupied by the content and presentation data in the converted data in view of the specified data resolution level.

33. [Cancelled]

34. [Presently Presented] The method according to claim 10 further comprising the step of obtaining the data filtration parameter from the request for transmission.

35. [Presently Presented] The method according to claim 34, wherein the request for transmission is a request for retransmission of the attachment document and the data filtration parameter defines a desired alternate resolution level for the retransmitted attachment document.

36. [Presently Presented] The method according to claim 23 further comprising the step of obtaining the data filtration parameter from the request for transmission.

37. [Presently Presented] The method according to claim 36, wherein the request for transmission is a request for retransmission of the attachment document and the data filtration parameter defines a desired alternate resolution level for the retransmitted attachment document.

38. [New] The server according to claim 19, wherein the presentation data includes at least one of text font data and text attribute data, the converting step comprises reducing the number of bytes occupied by the at least one font text data and text attribute data in view of the specified data resolution level.

39. [New] The server according to claim 19 further comprising the attachment data including raster image data, the data processing system configured to convert the raster image data to text for reducing the number of bytes occupied by the content and presentation data in the converted data in view of the specified data resolution level.